

What Is Claimed Is:

1. A system for transmitting at least one of data and energy between a chassis and a seat, the seat being situated in a movable manner on the chassis with the aid of at least one slide which glides in a guide rail attached to the chassis, the system comprising:

a transformer including a first iron-core half and a second iron-core half, the first iron-core half including at least one primary winding, the first iron-core half being situated on the slide, the primary winding including a cable lying in the guide rail, the second iron-core half including at least one secondary winding, the second iron-core half being situated on the seat, the first and second iron-core halves being situated relative to each other for the at least one of the data and energy transmission.

2. The system according to claim 1, wherein the cable is guide through the first iron-core half.

3. The system according to claim 1, wherein the cable is tensioned in the guide rail by a clamping device.

4. The system according to claim 1, wherein a cleaning device which removes foreign bodies adhering to the cable during a movement of the slide in the guide rail is situated on the slide.

5. The system according to claim 1, wherein the cable has at least two conductors, a first of the conductors being provided for the energy transmission, a second of the conductors being provided for the data transmission.

6. The system according to claim 5, wherein the guide rail is composed of an electrically conductive material, and at least one of the conductors is electroconductively connected at one end of the cable to the guide rail.

7. The system according to claim 1, wherein the cable had a coaxial

construction including an inner conductor and a shield, the inner conductor being for the energy transmission and the shield being for the data transmission.

8. The system according to claim 1, wherein the cable has a coaxial construction including an inner conductor and a shield, the inner conductor being for the data transmission and the shield being for the energy transmission.

9. The system according to claim 1, wherein the guide rail is composed of an electrically conductive material, the cable has a coaxial construction including an inner conductor and a shield, and at least one of the inner conductor and the shield is electroconductively connected at one end of the cable to the guide rail.

10. The system according to claim 1, wherein, on a seat side, the transformer includes one secondary winding for the data transmission and a further secondary winding for the energy transmission.

11. The system according to claim 1, further comprising a further transformer situated between the slide and the seat, one of the transformers being adapted for data transmission and the other of the transformers being adapted for energy transmission.